



## Search Results

Search Terms:	AND	Search Definitions:
<input checked="" type="radio"/> Contains this <input type="radio"/> Begins with this		
Find Words!		Clear Form

Searching Category	User input query
Searched Word	cyclodextrin
Number of Results	1

### 1. 1. cyclodextrin

**Image:** [View the chemical structure](#)

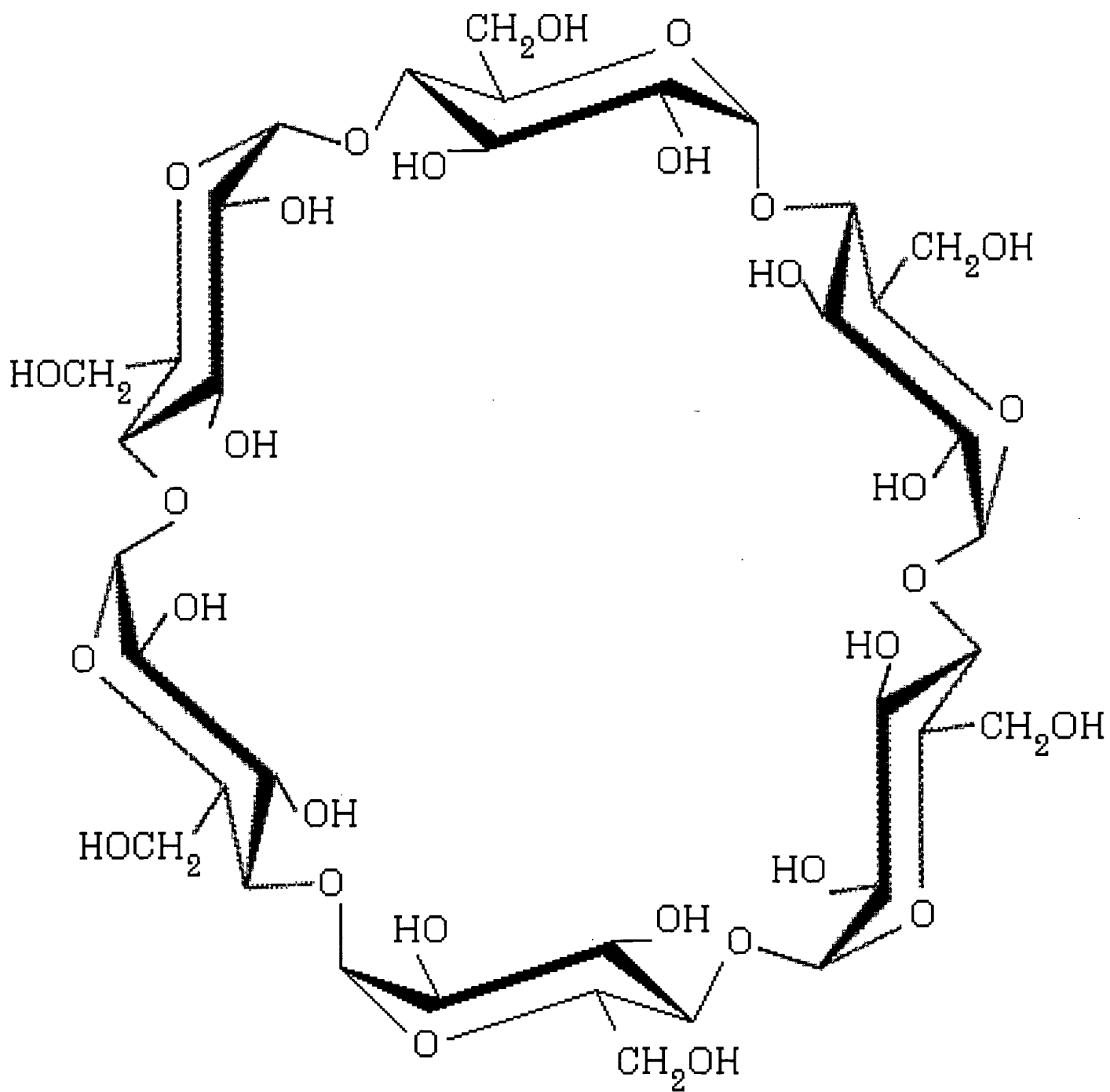
**Definition:**

A cyclic oligomer of alpha-D-glucopyranose. The most common cyclodextrins are alpha, beta and gamma cyclodextrin having 6,7 and 8 glucopyranose units respectively. They occur naturally in starch digests of the bacteria *Bacillus Macerans*. With a hydrophobic interior cavity, they can complex small hydrophobic molecules while remaining soluble in water. Potential applications include water-soluble pharmaceuticals and herbicides and pesticides.

END

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## cyclodextrins



41 48 49 50 51 52 53 54 55 56 62 64 65

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	42	43	44	45	46	47				

30-41 41-43 42-65 47-64 48-49 48-50 51-52 53-54 53-55 53-56

1-2	1-5	1-23	2-3	2-28	3-4	3-25	4-5	4-6	6-7	7-8	7-9	8-11	9-10	9-32	10-11
10-29	11-24	12-13	12-16	12-23	13-14	13-37	14-15	14-40	15-16	15-17	17-18	18-19			
18-20	19-22	20-21	20-33	21-22	21-36	22-24	25-26	26-27	27-28	29-30	30-31	31-32			
33-34	34-35	35-36	37-38	38-39	39-40	42-43	42-47	43-44	44-45	45-46	46-47				

1-5 4-5 18-19 19-22 30-41 41-43 48-49 48-50 51-52

42-65 47-64 53-54 53-55 53-56

1-2	1-23	2-3	2-28	3-4	3-25	4-6	6-7	7-8	7-9	8-11	9-10	9-32	10-11	10-29	11-24
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21-22	21-36	22-24	25-26	26-27	27-28	29-30	30-31	31-32	33-34	34-35	35-36	37-38			
38-39	39-40	42-43	42-47	43-44	44-45	45-46	46-47								

Match level :

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1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
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51:CLASS 52:CLASS 53:CLASS 54:CLASS 55:CLASS 56:CLASS 62:CLASS 63:CLASS 64:CLASS
65:CLASS

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Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1611txm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUIDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUIDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	26	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	27	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	28	Oct 21	EVENTLINE has been reloaded
NEWS	29	Oct 24	BEILSTEIN adds new search fields
NEWS	30	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	31	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	32	Nov 18	DKILIT has been renamed APOLLIT
NEWS	33	Nov 25	More calculated properties added to REGISTRY
NEWS	34	Dec 02	TIBKAT will be removed from STN
NEWS	35	Dec 04	CSA files on STN

NEWS EXPRESS	October 14 CURRENT WINDOWS VERSION IS V6.01, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:54:12 ON 12 DEC 2002

=> ile reg

ILE IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 14:54:21 ON 12 DEC 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 11 DEC 2002 HIGHEST RN 475975-25-8

DICTIONARY FILE UPDATES: 11 DEC 2002 HIGHEST RN 475975-25-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading 10054585.str

L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 14:54:50 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 6 TO ITERATE

100.0% PROCESSED 6 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 6 TO 266

PROJECTED ANSWERS: 0 TO 0

L2                    0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 14:55:07 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED -        314 TO ITERATE

100.0% PROCESSED        314 ITERATIONS

5 ANSWERS

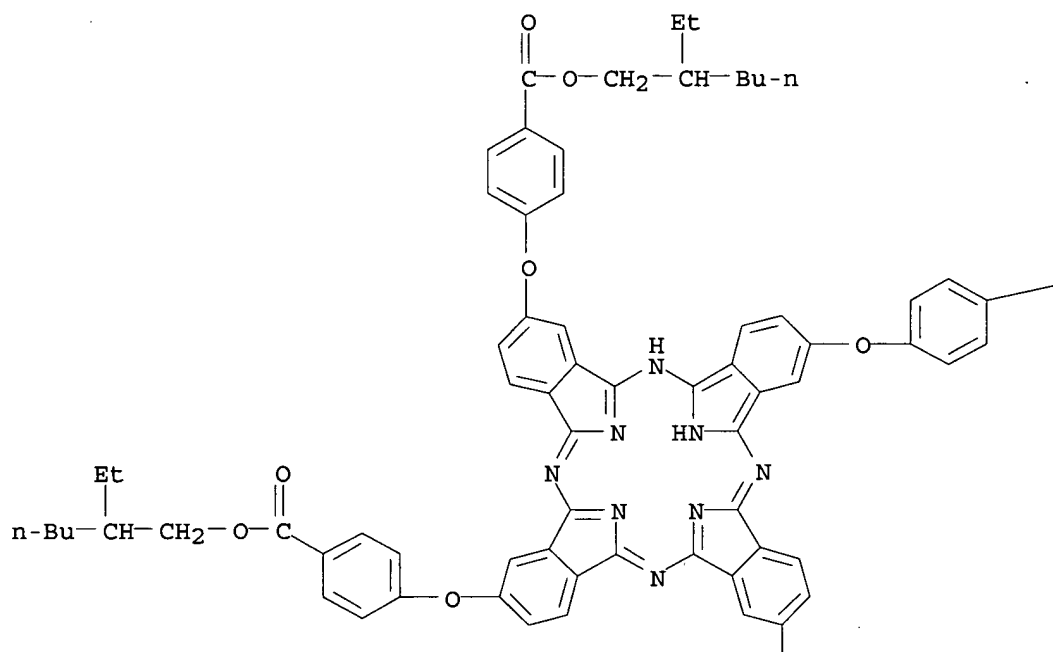
SEARCH TIME: 00.00.01

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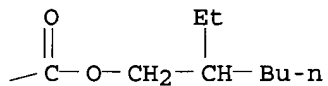
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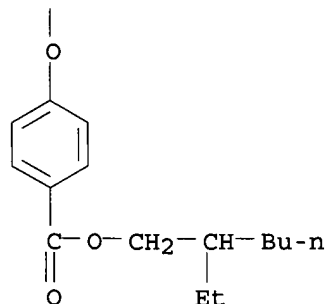
L3 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2002 ACS  
 RN 177992-33-5 REGISTRY  
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 MF C92 H98 N8 O12  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL

PAGE 1-A



PAGE 1-B





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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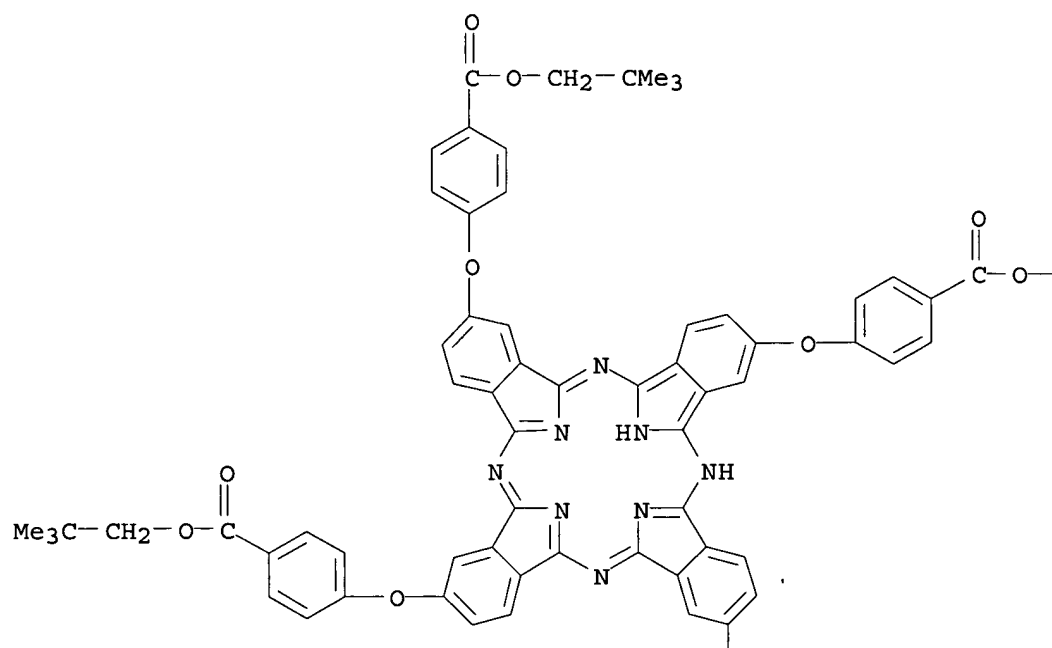
REFERENCE 1: 125:37859 Method for tagging petroleum products. Krutak, James John; Cushman, Michael Roy; Weaver, Max Allen (Eastman Chemical Company, USA). PCT Int. Appl. WO 9610620 A1 19960411, 87 pp. DESIGNATED STATES: W: BR, CA, CN, HU, JP, KR, MX, NO, PL, RU; RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (English). CODEN: PIXXD2. APPLICATION: WO 1995-US12191 19950925. PRIORITY: US 1994-315386 19940930.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9610620	A1	19960411	WO 1995-US12191	19950925
W: BR, CA, CN, HU, JP, KR, MX, NO, PL, RU				
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ZA 9508247	A	19960424	ZA 1995-8247	19950929



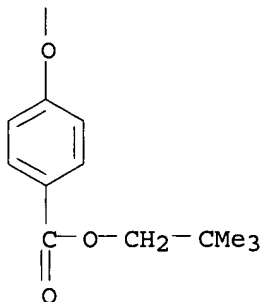
L3 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2002 ACS  
 RN 177992-10-8 REGISTRY  
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 (CA INDEX NAME)  
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 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL

PAGE 1-A



PAGE 1-B

—  $\text{CH}_2\text{—CMe}_3$



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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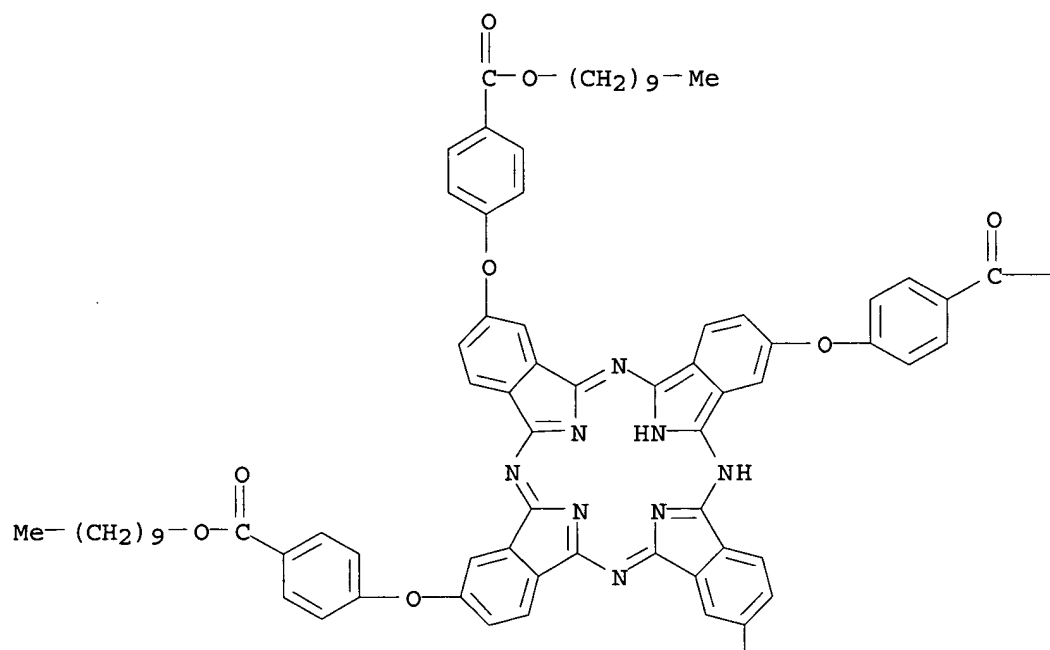
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 125:37859 Method for tagging petroleum products. Krutak, James John; Cushman, Michael Roy; Weaver, Max Allen (Eastman Chemical Company, USA). PCT Int. Appl. WO 9610620 A1 19960411, 87 pp. DESIGNATED STATES: W: BR, CA, CN, HU, JP, KR, MX, NO, PL, RU; RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (English). CODEN: PIXXD2. APPLICATION: WO 1995-US12191 19950925. PRIORITY: US 1994-315386 19940930.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9610620	A1	19960411	WO 1995-US12191	19950925
W: BR, CA, CN, HU, JP, KR, MX, NO, PL, RU				
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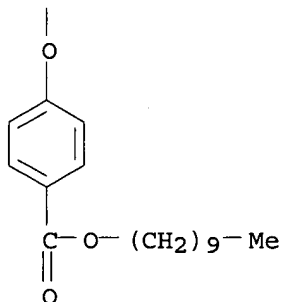
L3 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2002 ACS  
 RN 177991-95-6 REGISTRY  
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 MF C100 H114 N8 O12  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL

PAGE 1-A



PAGE 1-B

$-\text{O}-(\text{CH}_2)_9-\text{Me}$



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

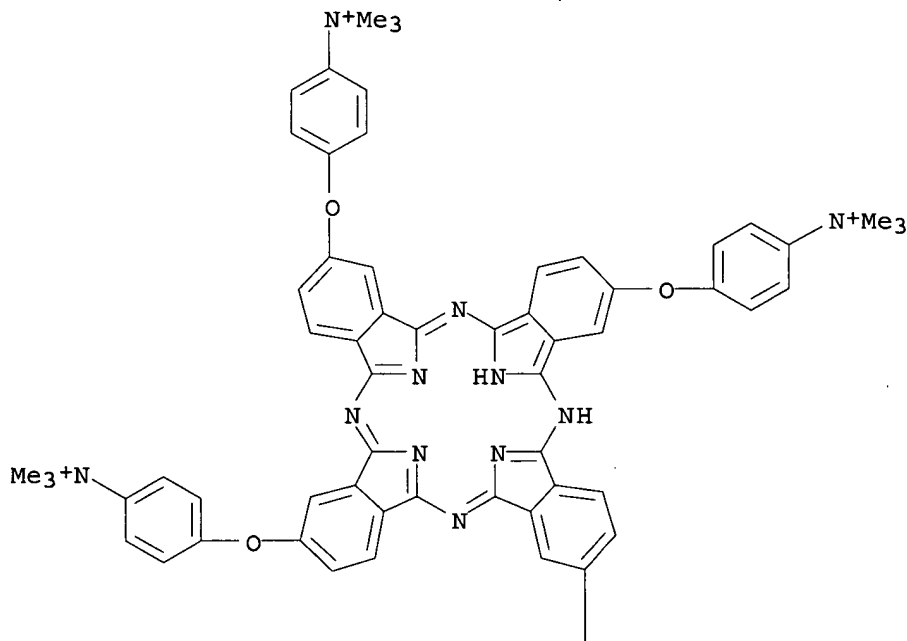
REFERENCE 1: 125:37859 Method for tagging petroleum products. Krutak, James John; Cushman, Michael Roy; Weaver, Max Allen (Eastman Chemical Company, USA). PCT Int. Appl. WO 9610620 A1 19960411, 87 pp. DESIGNATED STATES: W: BR, CA, CN, HU, JP, KR, MX, NO, PL, RU; RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (English). CODEN: PIXXD2. APPLICATION: WO 1995-US12191 19950925. PRIORITY: US 1994-315386 19940930.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9610620	A1	19960411	WO 1995-US12191	19950925
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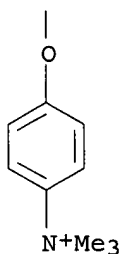
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 US 5525516 A 19960611 US 1994-315386 19940930  
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L3 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2002 ACS  
 RN 174320-94-6 REGISTRY  
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 MF C68 H66 N12 O4  
 SR CA  
 LC STN Files: CA, CAPLUS

PAGE 1-A



PAGE 2-A



1 REFERENCES IN FILE CA (1962 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 124:189103 Studies of the supramolecular system of porphyrin-phthalocyanine formed by molecular self-assembly and its photoinduced electron transfer processes. Tian, Hongjian; Zhou, Qingfu; Shen, Shuyin; Xu, Huijun (Institute Photographic Chem., Chinese Academy Sciences, Beijing, 100101, Peop. Rep. China). Wuli Huaxue Xuebao, 12(1), 44-8 (Chinese) 1996. CODEN: WHXUEU. ISSN: 1000-6818. Publisher: Beijing Daxue Chubanshe.



=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:.

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

153.49

153.70

STN INTERNATIONAL LOGOFF AT 14:56:20 ON 12 DEC 2002